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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
Division of Forest Insect Investigations

FOREST INSECT CONDITIONS

SAN JACINTO ZONE OF INFESTATION

OCTOBER, 1953 RECONNAISSANCE SURVEY

Forest insect conditions in the San Jacinto infestation area were examined in ground and aerial reconnaissance surveys conducted by G. L. Downing of the Forest Insect Laboratory. The ground reconnaissance was made in September, and the aerial reconnaissance was made on October 5 in company with Ranger John Gilman of the San Jacinto District, San Bernardino National Forest. The aerial reconnaissance was part of the annual Statewide aerial survey of forest insect conditions which the Laboratory completed in early October.

The San Jacinto infestation area is located within the San Jacinto Ranger District, San Bernardino National Forest. It is composed of federal and intermingled private lands. It lies adjacent to, but does not include Mt. San Jacinto State Park (see map).

Status

Present losses appear to be somewhat less serious than those of last year in all except the southern part of the infestation area. In the Dry Creek Basin, which is located south of Strawberry Basin, the California flatheaded borer, Melanophila californica Van D. is causing heavy mortality in Jeffrey pine. In the Indian Creek, North Fork, and Strawberry Basin, losses in sugar pine due to the mountain pine beetle, Dendroctonus monticolae Hopk., and losses in Coulter pine due to the western pine beetle, D. brevicomis Lec., are moderate, and it is anticipated that control needs here will be slightly less than last year. The trend of loss in white fir, which has been high during the past few years, is downward sharply this year.

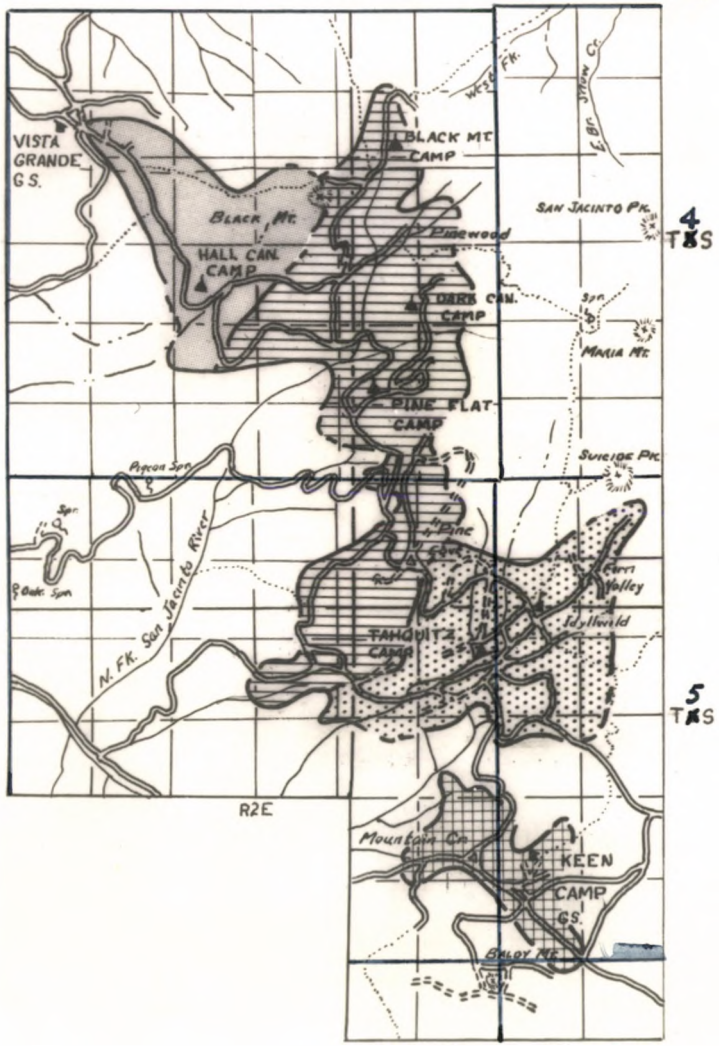
Recommendations

It is recommended that efforts to control the western pine beetle and mountain pine beetle be continued in accordance with past practices.

In addition, it is recommended that trees which are infested with the fast-growing stages of the California flatheaded borer be felled and treated also. Orthodichlorobenzene and fuel oil applied in the same proportion and manner as used on western pine beetle-infested trees should be used to treat flatheaded borer-infested trees. No changes in boundaries of the control area are recommended.

G. L. Downing
Entomologist

Forest Insect Laboratory
Berkeley, California
October 27, 1953



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BERKELEY FOREST INSECT LABORATORY

SAN JACINTO INFESTATION AREA

RIVERSIDE COUNTY, CALIFORNIA

SAN BERNARDINO MERIDIAN

LEGEND

- Indian CK. Basin
- Strawberry Basin
- North FK. Basin
- Dry CK. Basin
- Boundary of Control Units

SCALE

0 ½ 1 2 3 4 Miles